

Косков, Анна

CLECH Эксперт, Анна: Практикум техники микробиологии.  
Вып. 1. Москва: Изд-во МГУ. 1954. 377 стр.

KOCKOVA-KRATOCHVILLOVA, ANNA

CZECHOSLOVAKIA/Microbiology. General Microbiology. F-1  
Physiology and Biochemistry

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 62287

Author : Kockova-Kratochvilova Anna, Gebauerova Anna,  
Hrdinova Margita

Inst : -

Title : Studies of the Harden-Young Effect in Yeasts  
1. Selection of Suitable Conditions.

Orig Pub : Ceskosl. mikrobiol., 1956, 1, No 6, 247-254

Abstract : Phosphate esters of sugars are accumulated by yeasts (Harden-Young effect) through the action of a small dose of isothiocyanates. On whole dried or washed cells of brewer's yeast of bottom fermentation, occurring in tubs with water and sometimes subjected, in this way, to phosphate starvation. -- From the author's summary

Card : 1/1

10

KOCKOVA-KRATOCHVILLOVA, ANNA

"APPROVED FOR RELEASE: 09/18/2001" CIA-RDP86-00513R000723520018-3  
genic to Humans and Animals.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38513.

Author : Kockova-Kratochvilova, Anna, Kutkova, M., Petrova, M.

Inst : Not given.

Title : Etiology of Interstitial Plasmocellular Pneumonia  
in Nursing Children.

Orig Pub: Ceskosl. epidemiol., mikrobiol., imunol., 1956, 5,  
No 3, 156-160.

Abstract: In inoculations from lungs of nursing children who died of interstitial plasmocellular pneumonia (IPP) or from other diseases, various species of Candida and Phodotorula were isolated in equal quantities. These facts militate against the supposed identity of these microorganisms with IPP stimulants; however, the authors consider it necessary to conduct

Card 1/2

Katedra technické mikrobiologie a biochemie chemické  
fakulty SVST v Bratislave Oddelenie glycidov a biochemie  
chemického ústavu 19  
SAV v Bratislave.

НОС КОВА - КРАТКОЧИЛОВА - А.

Microbial source of diacetyl and acetoin in beer. A. Kocková-  
Kratohvilová, A. Vavrochová and D. Vojtková-Nováková  
(Hrazdinská 1, 1936 8, 73-82). The reactions involved in the  
spoilage of beer, the development of the honey like smell, the con-  
version of acetaldehyde under anaerobic fermentation into methyl  
crotylcarbinol (acetoin) followed by the formation of diacetyl under  
aerobic fermentation are discussed. The review also covers the use  
of various strains of *Pediococcus*, the preparation of pure cultures and  
nutrients involved and collected data on primary and secondary  
fermentations of various substances during the brewing process by  
*Pediococcus* and yeast separately and together. The relationship  
between the requirements of *Pediococcus* and amino acids (glutamic  
and aspartic) and the resulting quantities of diacetyl produced  
are discussed. (85 references.)

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**APPROVED FOR RELEASE: 09/18/2001**

**CIA-RDP86-00513R000723520018-3"**

KOCKOVA-KRATOCHVILCOVA, Anna

Kvasinky. (Yeast, German, French and Russian summaries. illus., bibl. index, tables) Bratislava, SVL, 1957. 241 p.

The work is a detailed monograph on yeast and yeast organisms. It deals with the morphology, chemical composition, biology and systematics. Basically, the book is a summary of theoretical facts, it explains the value of yeast and the technique of multiplication of yeast organisms.

Bibliograficky katalog, CSR, Slovenske knihy, Vol. VIII. 1957. No. 10. p. 110.

KOCKOVA-KRATOCHVILLOVA, A.

KOCKOVA-KRATOCHVILLOVA, A. Fermentation of oligosaccharides. p. 3  
Vol 3, no. 1, Jan. 1957 KVASNY PRUMYSL  
Praha, Czechoslovakia (Ministerstvo potravinarskeho)

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EAL) VOL 6 NO 4 APRIL 1957

KOCKOVA-KRATOCHVÍLOVA, A.

Cultivation of acetobacters in pure cultures. *[supplement]* p. 6.

(Kvasny Prumysl. Vol. 3, no. 5, May 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KOCKOVA-KRATOCHVILCOVA, A.; TOMASEK, K.; GERAUEROVA, A.

Study of the Harden-Young Effect. IV. Investigation of the Harden-Young Effect by means of paper chromatography.

P. 681. (Chemické Zvesti.) (Praha, Czechoslovakia) Vol. 11, No. 11, Nov. 1957

SO: Monthly Index of East European Accession (KEAI) LC. Vol. 7, No. 5, May 1958



Country : CZECHOSLOVAKIA  
 Category : Microbiology - General Microbiology  
 Abs. Jour : Ref Zhur - Biol., No.19, 1958, 85924  
 Author : Kockova-Kratochvilova, A.; Drobicka, L.  
 Institut. : -  
 Title : Classification of Wine Yeasts

Orig. Pub. : Preslia, 1957, Vol.29, No.3, 264-277

Abstract : The authors divide the wine yeasts into three groups depending on the shape of the cells: I - circular, II - semioval, III - elongated cells. These groups are distinguished among themselves by their resistance to the content of alcohol in wines and by the end products of their fermentation. Each group of yeasts is characteristic of a definite type of wine. Yeasts isolated from grapes may be assigned both to groups I and II. Group III yeasts have arisen, probably, as the result of selection; they are the most stable in the presence of unfavorable conditions which result when the culture is kept under paraffin. From authors' summary.

Card: 1/1

215. THE CAUSE OF INTERSTITIAL PLASMA-CELL PNEUMONIA IN INFANTS - Zur Frage des Erregers der interstitiellen plasmazellulären Pneumonie bei Säuglingen - Kockova-Kratochvilova Anna Kuthova M. and Petrova M. Biochem. Lab., Chem. Inst., Slovak Acad. der Wissensch., Bratislava - NATURWISSENSCHAFTEN 1957, 44 21 (545)illus2  
 Various yeasts were isolated from the lungs of infants, 60% being Candida albicans. By using nuclear stains and phase-microscopy granular structures could be seen in certain fungus cells, resembling the 'Achterzellen' (with height-granules) found in sections of diseased organs.  
 Raubitschek - Jerusalem (IV, 17)

VOJTKOVA-LEPSIKOVA, Anna, PhMr.; KOCKOVA-KRATOCHVILLOVA, Anna, dr.

Study of the Harden-Young effect. Part 6: Preparation of sodium salt of pyrophosphoric acid ester of fructose from barium salt. Chem svesti 15 no.10:737-740 0 '61.

1. Ceskoslovenska akademie ved, Mikrobiologicke laboratorium Chemickeho ustavu Slovenskej akademie vied, Bratislava. Authors' address: Bratislava, Sastseva 15, Mikrobiologicke laboratorium Chemickeho ustavu Slovenskej akademie vied.

KOCKOVA-KRATOCHVILLOVA, Anna; SANDULA, J.; HRONSKA, Lydia

The genus *Candida* Berkhout. I. Basic typisation of strains of *candida albicans* (Robin Berkhout. Folia microbiol. 8 no.2: 109-116 '63).

1. Chemical Institute of the Slovak Academy of Sciences, Czechoslovak Academy of Sciences, Bratislava.  
(CANDIDA) (CLASSIFICATION)

SANDULA, J.; KOCKOVA-KRATOCHVILLOVA, Anna; ZAMCHNIKOVA, Marcela

Genus Candida Berkhout. II. Pathogenicity of the species  
Candida albicans (Robin) Berkhout. Folia microbiol. 8 no.5:  
313-317 '63.

1. Institute of Chemistry of the Slovak Academy of Sciences,  
Czechoslovak Academy of Sciences, Bratislava.  
(MONILIASIS) (CANDIDA)

KOCKOVA-KRATOCHVILLOVA, Anna; SANDULA, Jozef

Serologic method for detection of culture and wild yeasts.  
Kvasny prum 9 no.8:181-186 Ag '63.

1. Chemicky ustav Slovenskej akademie vied, Ceskoslovenska  
akademie ved, Bratislava.

KOCKOVA-KRATOCHVILLOVA, A.

Microbiologic laboratory of the Chemical Institute of the  
Slovak Academy of Sciences in Bratislava. Kvasny prum  
9 no.11:263-264 N°63.

KOCKOVA-KRATOCHVÍLOVA, A., VOJTEHOVA-LEPSKHOVA, A.

The genus *Candida* Berkhout. IV. Importance of the molybdate test for identification of other species of the *Candida* genus. *Česk. epidem.* 12 no.3:184-187 My '63.

1. Československá akademie věd, Chemický ústav SAV, Bratislava.

(CANDIDA) (MOLYBDENUM)

KOCKOVA-KRATOCHVILLOVA, Anna; SANDULA, Jozef

Serologic method for detection of culture and wild yeasts.  
Kvasny prum 9 no.8:181-186 Ag '63.

1. Chemicky ustav Slovenskej akademie vied, Ceskoslovenska  
akademie ved, Bratislava.



SANDULA, Josef; KOCKOVA-KRATOCHVILLOVA, Anna; ZAMECHIKOVA, Marcela

Pathogenicity of strains of *Candida albicans*. Biologia 18  
no.11:843-847 '63

1. CSAV Chemicky ustav Slovenskej akademie vied v Bratislave.

KOCKOVA-KRATOCHVILLOVA, Anna; FISHCEROVA, Margita

Difference between *Saccharomyces cerevisiae* and its ellipsoidal variety. Kvasny prum 10 no. 6:121-126 Je '64.

1. Institute of Chemistry, Slovak Academy of Science, Bratislava.

KOCKOVA-KRATOCHVILLOVA, Anna

Flocculation of brewing yeast. Kvasny prum 11 no.2,25-27 F '65.

1. Institute of Chemistry of the Slovak Academy of Sciences,  
Bratislava. Submitted September 25, 1964.

KOCKOVA-KRATOCHVILLOVA, Anna; STUCHLIK, V. Jun.; FOKORNA, Maria

The genus *Candida* Berkhout. V. Basic nutrition of *Candida albicans*  
in Static culture. *Folia microbiol.* (Praha) 9 no.6:361-368 N '64.

1. Institute of Chemistry, Slovak Academy of Sciences, Bratislava.

KOCKOVA-KRATOCHVILLOVA, Anna; SANDULA, J.

The genus *Candida* Berkhout, VI. Intermediate forms between fermentation types I and IV. *Folia microbiol. (Praha)* 9 no.6:369-373 N '64.

1. Institute of Chemistry, Slovak Academy of Sciences,  
Czechoslovak Academy of Sciences, Bratislava.

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CIA-RDP86-00513R000723520018-3"

POKORNA, Marie; POKORNA-KRATOCHVILOVA, M.

Diagram for determining the surface volume ratio of cells.  
Biologia (Bratisl) 20 no.7:552-554 1965.

1. Chemical Institute of the Slovak Academy of Sciences in  
Bratislava.



CZECHOSLOVAKIA

SANDULA, Jozef; KOCKOVA-KRATOCHVILLOVA, Anna; Chemical Institute of the Slovak Academy of Sciences, Bratislava. [Original version not given].

"Serological Study of the Genus *Saccharomyces* *Monacensis* Hansen."  
Bratislava, *Biologia*, Vol 21, No 4, 1966, pp 252 - 262

Abstract [Authors' English summary modified]: Some strains of *Saccharomyces carlsbergensis* and *S. cerevisiae* do not give a reaction with antisera prepared against other typical *S.* strains. These strains have the same antigen composition as *S. monacensis* Hansen, and show serological relationship with *S. rouxii* Boutroux, *S. cartilaginosus* Lindner, and *S. acidifaciens* (Nickerson) Lodder Kreger-van Rij. By absorption of antisera of these negative strains a specific serum can be obtained, thus permitting them to be distinguished from other strains of the species. The carrier of this serological activity is a surface polysaccharide liberated from the cell membrane during cultivation. It contains a small amount of N, and total hydrolysis yields only mannose. 4 Figures, 3 Tables, 11 Western, 5 Czech, 2 Russian, 2 Japanese references.  
1/1 Article is in English. (Ms. rec. 18 Nov 65).

3

CZECHOSLOVAKIA

KOCLAT, J., MD; LADNY, L., MD; XITA, G., MD

Internal Medicine Ward of the Hospital (Vnitřní oddělení  
nemocnice), Prague (for all)

Prague, Praktický lékař, No 11, 1963, pp 418-419

"General Principles in Treatment of Green Mushroom  
Poisoning - *Amanita phalloides*."

KOCMAN, F.

Use of lime fly ash in the road construction for the stabilization of soils. p.h.  
(Silnice, Vol. 6, No. 5, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EZAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.

S/262/62/000/011/027/030  
1007/1252

AUTHOR Kocman, I.

TITLE Czechoslovak and foreign diesel engines at the 1960 Brno Fair

PERIODICAL Referativnyy zhurnal, otidel'nyy vypusk. 42. Silovyye ustanovki, no 11, 1962, 73, abstract 42.11.441 (Techn. spravy. Vyzkumn. ustav naft. motoru, v 8, no 1, 1960 (1961), 9-11 (Czech))

TEXT A comparative technical analysis is presented of Czechoslovak and foreign diesel engines exhibited at the Brno Fair in 1960. The high engineering standard and quality of exterior design of Czechoslovak diesels are noted.

[Abstracter's note: Complete translation]

Card 1/1

KOCFAN, J.

"Modern dynamometer for testing diesel motors." Elektrotechnik, Praha, Vol. 9, No. 2, Feb. 1954, p. 56.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

KOCHAN, J.

Starting relay for one-phase induction motors. p. 374

ELEKTROTECHNIK Vol. 10, no. 11, Nov. 1955

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 7 July 1956

KOCHAN, M.; HRADECKY, M.

Tasks of foremen in the introduction of factory business accounting.

p. 309

Vol. 3, no. 8, 1955

STROJIRENSKA VYROBA

Praha, Czechoslovakia

Source: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 2  
February 1956, Uncl.

KOCMAN, Michael, inz. CSc.

Introduction of productive labor into the planning system. Podn  
org 18 no.4:161-163 Ap '64.

1. Research Institute of Machine Industry Technology and  
Organisation.



KOCMAN, Michael, ins., O.Sc.

Management of socialist economy in the light of cybernetics. Pod  
org 17 no.4:145-149 Ap '63.

1. Technicko-organizační výzkumný ústav strojírenský.

KLUMPAR, Ivan; KOCHAN, Oldrich; CIVNY, Zdenek; PROCHAZKA, Jaromir

Czechoslovak pilot plant production of the synthetic ethanol. Pt.2.  
Chem prum 13 no.3:117-122 Mr '63.

1. Zavody Vitezneho umora, projekcni kancelar, Praha (for Klumpar  
and Kochan). 2. Chemicke zavody CSRP, Zafusi (for Civny and Prochaska).

KLUMPAR, Ivan; KOCHAN, Oldrich; CIVRENY, Zdenek; PRACHA7KA, Jaromir

Czechoslovak pilot plant production of syntheric ethyl alcohol. Pt.3. Chem prum 13 no.5:225-230 Hy '63.

1. Zavody Vitesneho unora, projekcni kancelar, Praha (for Klumpar and Kocman).
2. Chemicke zavody Ceskoslovensko-sovetskeho pratelstvi, Vyskumny ustav pro chemicko vyusiti uhli, Zaluzi (for Civrny and Prachska).

KOCHIN, Vladimir, 194.

Inter-cooled cables in Great Britain. El tech obsor 24 no.1:  
4B-49 Jan 1965.

KOCMAN, Vladislav

Single program control of the linear rise of furnace temperature  
by the Krit Zv compensation regulator. Silikaty 8 no.3:218-223 '64.

1. Chair of Inorganic Chemistry, Faculty of Natural Sciences,  
J.E. Purkyně University, Brno.

KOCHAN, Vladimir, ins.

Highest voltage cables. El tech obsor 53 no. 51275-277 by '64.

KOCMAN, Vladimir, ins.

High voltage direct current test program in the United States. El  
tech obzor 53 no.9:511-512 S '64

Recent information on the use of acetylated papers in electrical  
engineering. El tech obzor 53 no.9:513-515 S '64

**KOCNICH, Vojtech**

"Travel, moving, and other expense within Czechoslovakia"  
by M. Kaspar, L. Sterba. Reviewed by Vojtech Kocnich.  
Podnik organizace 17 no.3:144 Mr '63.



CA

15a

Parasites and diseases of sugar beets in 1967. M. I. Zhukovskaya, V. A. Zaitseva, and I. I. Matkova. *Izv. Vsesoyuzn. nauch. tsentra sel'sk. khoz. ispytaniy*, 1968, 20, 200-211 (1968). - During a warm and dry season the parasites attacked the beets early in the season and disappeared in June.  $\text{BaCl}_2$  sprays were effective against *Cercaria*, but DDT-Cumol sprays were not effective; good. Control was better than no sprays but could not compare in effect to  $\text{BaCl}_2$ . Trials with  $\text{CaCl}_2$  are highly promising. For Hessian Green was effective. (During the scarcity of nicotine, a spray of so or so good. Nicotine was used effectively against *Aphis fabae*. The highly resistant *Opatrum suberosum* also resisted all of the tested fungicides (fungicides). Although the appearance of *Carposina* caused suppression by the summer frost, it was controlled by any of the 3a sprays applied when spots appeared on the leaves. Beet leaf rot was prevented by using fertilizers rich in N or by applying 10-20 kg of humus per ha. of soil. P. Morozov

DRACHOVA-SILARU A. M.; KOCHID, V.; FUDILKOVA-SLOVHA, E. "New types of sugar-beet rot."  
Sbornik. Annals. Rada B., Praha, Vol 27, No 1, Feb 1954, p. 159

30: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

ACC MID-V.

A review of trials with destroying of black aphid (*Aphis fabae* Scop.) in the years 1964-65. V.I. Kozlov, Leningrad, 72, (21.10.1965). (A number of papers of domestic and foreign origin. However, the following was found efficient as powder (100 g/m<sup>2</sup>) and as spray (1000 l/ha) as spray. In addition the following substances were proved valuable: Nikotin or Nikotin 33 in 0.5% solution in 0.1, Pestox in 1, Sostan in 0.05-0.2, and 4-40 l/ha in 0.04% solution (at 500 l/ha). L. Kozlov.

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Country : Czechoslovakia  
CATEGORY :

P-5

ABST. JOUR. : RZBiol., No. 19, 1958, No. 87706

AUTHOR : Drachovska, M.; Dlabola, J.; Kocmid, V.

INST. :

TITLE : The Outbreak of Gamma Cutworm Moth -- Plusia  
(Phytometra) gamma L. -- in 1953-1956 and  
Preliminary Considerations Concerning Its

ORIG. PUB. : Listy cukrovarn., 1957, 73, No 9, 193-198

ABSTRACT : Conditions and progress course of the outbreak  
and also a brief description of development stages of the  
gamma-moth; recommendations concerning its control. The  
prognosis of outbreak dynamics should be based upon the  
following data: 1) conditions of the last outbreak;  
2) fertility of females; 3) numerical strength of the pest;  
4) overwintering stage; 5) mortality of the pest due to  
pathogenic microorganisms and attacks of natural enemies;  
6) abundance of weeds; 7) duration of individual stages  
of development. Favorable conditions: abundance of flower-  
ing weeds; a long and warm summer; late emergence of over-  
wintering springtime generation, as a result of which the  
development of caterpillars takes place during warm weather;  
CARD: 1/2

• Control.

KIERSI, Jan; KOCHINSKA, Danuta.

Effect of desoxycorticosterone on retention of increased arterial pressure following intravenous administration of saline hypertonic solution in rabbits and dogs. Acta physiol. polon 6 no.4:441-453 1955.

1. S Zakład Farmakologii A.M. w Białymstoku. Kierownik: doc. dr J. Kiers.

(BLOOD PRESSURE, effect of drugs on,  
hypertonic solution, prolongation of eff. with DOCA (Pol))  
(HYPERTONIC SOLUTIONS, effects,  
on blood pressure, prolongation of eff. with DOCA (Pol))  
(DESOXYCORTICOSTERONE, effects,  
on blood pressure, prolongation of eff. of hypertonic  
solution (Pol))

COUNTRY : POLAND  
 CATEGORY : Pharmacology and Toxicology. Cardiovascular Agents  
 ABS. JOUR. : PZiMol., No. 5 1959, No. 23197  
 AUTHOR : Kiersz, J.; Koomierska, D.; Krajewski, W.;\*  
 INST. : -  
 TITLE : Experimental Study of the Influence of Desoxycorticosterone upon the Hypotensive Action of Reserpine in After-Infusion Hypertension  
 ORIG. PUB. : Patol. polska, 1958, 9, No 1, 29-34  
 ABSTRACT : In rabbits administered 5 mg of desoxycorticosterone acetate during the first three days, and 2% hypertonic NaCl solution on the fourth day in an amount of 1/3 of the blood volume, reserpine in a dose of 0.5 mg/kg produced an insignificant and slowly developing hypotension, as compared with the control.

\*Zuorski, T.

Card:

1/1 Zakladu Farmakologii A. M. w Białymstoku  
 Kierownik doc. dr. J. Kiersz.

POLAND

Janeta KOCHERSKA-GRCDZKA, Department of Pharmacology, Medical College  
(Zaklad Farmakologii A[kademi] H[edyczne]) Head (kierownik) Docent  
Dr A. DANYSZ, Bialystok.

"Anabolic Androgens."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 50, 10 Dec 1962; pp  
1965-1967

Abstract: Review of 37 Western publications of the last 10 years, with  
detailed presentation and discussion of various synthetic derivatives,  
laboratory and clinical data. Table, 37 references.

1/1

YUGOSLAVIA/Chemical Technology - Chemical Products and Their

APPROVED FOR RELEASE: 09/18/2001 H-21  
Combustible Minerals. CIA-RDP86-00513R000723520018-3"

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22639

Author : Karel Slokan, Ivan Kocmur, Drago Ocapek.

Inst : -

Title : Utilization of Yugoslav Coals in Coking.

Orig Pub : Rud. metal. sb., 1957, No 1, 1-14

Abstract : The economics of Yugoslav coal treatment and the possibi-  
lity of using this coal for coking are discussed.



KOCHEK, Janes, dipl. inž. rudarstva

Coal in the production of electric power. Rud met zbor 3:281-295  
'64.

1. Department of Mining and Metallurgy, Faculty of Natural Sciences  
and Technology, University of Ljubljana, Ljubljana, Askercova 29.

KOCHIERSE-GRODEKA, Danuta

Anabolic androgens. Pol. tyg. lek. 17 no.50:1965-1969 10 D '62.

1. Z Zakładu Farmakologii AM w Białymstoku; kierownik: doc. dr med.  
A. Danyss.

(ANDROGENS)

KOCPIK - I VAA

YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Application. Treatment of Solid Mineral Fuels.

11-22

Abs Jour : Ref Zhur - Khimiya, No 6, 1950, 26394

Author : Stokan Marel, Kocur Ivan, Osepak Drago

Inst : -

Title : Recovery of Coal from Washings.

Orig Pub : Khim.-metall. sb., 1957, No 2, 111-123.

Abstract : As a result of wet concentration and other kinds of aqueous processing of coal a considerable portion of the coal is lost in the washings. Laboratory experiments were conducted on clarification of these washings and recovery of coal fines in a hydrocyclone 105 mm in diameter under gauge pressure of 0.5 atmosphere, and then in one of 350 mm in diameter at gauge pressure of 2 atmospheres, with an initial concentration of solid particles of 20 g/liter. Content of solid particles reached 240 g/liter in the concentrate,

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KOCMUR, J.

KOCMUR, J. Petroleum and natural gas. I. Production, geographical distribution reserves.  
p. 244.

Vol. 4, no. 12, Dec. 1955  
KEMIJA U INDUSTRIJI  
Zagreb, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4 April 1956

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**APPROVED FOR RELEASE: 09/18/2001**

**CIA-RDP86-00513R000723520018-3"**

Slokan, K.; Kocmur, J. "Is the Institute for Mining Economy of the People's Republic of Slovenia necessary?" p. 109. (Rudarsko-Metalurški Zbornik. No. 1, 1952. Ljubljana.)  
"Professor Viktor Gostisa, engineer; an obituary." p. 113.

SO: Monthly list of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954.  
Uncl.

SLOKAN, K., prof., dr., ing. (Ljubljana); KOČNUR, J., ing. (Ljubljana);  
OČEK, D., doc., ing. (Ljubljana)

Dressing of flint sands by micromechanical process. Kem ind 10 no.2:  
58-62 P '61.

KOCMUR, J.

"The colloquy in honor of [Prof. Dr. techn. habil.] Anton Lissner,  
held October 11, 1960 at Freiberg." Reviewed by J. Kocmur. And met  
abor no.2:197 '62.



KOCHUR, J.

"Research methods for solid fuels, with a special emphasis on brown coals." Reviewed by J. Kochur. Had met stor no.2:197-198 '62.

KOCNUR, J.

"The Freiberg research paper A 211." Reviewed by J. Kocnur.  
Rud met sbor no.3:274 '62.

KOONAR, J.

"The Freiberg research paper A 232." Reviewed by J. Koonar.  
Rud met abor no.31274 '62.

KOCMUR, J.

"Characterization of the soft brown coal of Lower Lusatia by the differential thermal analysis. A critical examination of the differential thermal analysis for organic substances" by Sigrid Wagner-Beeger. Reviewed by J. Kocmur. Rud met sbor no.2:198 '62.

MICHALEC, C., RMDr.; KOCHA, A., MUC.; KOTLIK, J., MUC.

Lipid metabolism. I. Determination of total, free, and esterified cholesterol in blood serum in carcinomas and in liver diseases. Cas. lek. cesk. 91 no.26:767-771 27 June 52.

1. Ustr. laboratorie SFM, Praha; predn. prof. dr. J. Horajsi.

(NEOPLASMS, blood in,

cholesterol, determ.)

(LIVER, diseases,

liver cholesterol in, determ.)

(CHOLESTEROL, in blood,

in cancer & liver dis., determ.)

(BLOOD,

cholesterol, in cancer & liver dis., determ.)

KOCNA, A.

1. The purpose of this document is to provide information on the results of the investigation of the activities of the KOCNA, A. in the period from 1970 to 1975. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

2. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

3. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

4. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

5. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

6. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

7. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

8. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

9. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

10. The investigation was conducted by the KOCNA, A. in the period from 1970 to 1975. The results of the investigation are presented in this document.

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"APPROVED FOR RELEASE: 09/18/2001

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APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723520018-3"

KOCAN, Tadeusz

Rare variation of the coronary sinus of the heart. Folia morphol  
22 No.1:11-14 '63.

1. Zakład Anatomii Prawidłowej, Akademia Medyczna, Warszawa.  
Kierownik: prof. dr med. W.Sylvanowicz.

\*



KOCOT, Tadeusz

Mesenteric lymphadenitis in adolescents and adults. Pol. tyg.  
lek. 19 no. 51:1967-1969 21 D '64

1. Z Kliniki Chirurgicznej Studium Doskonalenia Lekarzy Akademii  
Medycznej w Warszawie (Kierownik: prof. dr. J. Kubiak).



Country : POLAND

Category: Plant Physiology. Respiration and Metabolism.

I

Abs Jour: RZhBiol., No 14, 1958, No 62969

Author : Siewinski, J.; Mojer, S.; Kocor M.

Inst : -

Title : Toxicin Content in Tomato Leaves, and a Simple Method of Obtaining Toxicin from Them.

Orig Pub: Przem. chem., 1957, 13, No 9, 543-544.

Abstract: No abstract.

Card : 1/1

I-8

PCLAND/Organic Chemistry. Synthetic Organic Chemistry.

0

Abs Jour: Ref Zhur-Khin., No 23, 1958, 77532.

Author : Kocor, Marian; Taschner, Emil; Mejer, Stanislaw.

Inst : \_\_\_\_\_

Title : Concerning the Salts of Ethyl Ester of Nitroncetic Acid with Amines.

Orig Pub: Roczn. chem., 1957, 31, No 3, 1037-1039.

Abstract: Ethyl ester of nitroncetic acid produces salts with relatively strongly basic amines, during mixing of solutions of equimolar amounts of components in ether and petroleum ether. The following salts of ethyl ester of nitroncetic acid were prepared (the amines and the melting points of salts in °C are given): cyclohexylamine, 113 to 114; isopropylamine, 100 to 101; benzylamine, 132 to 133;

Card : 1/2

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POLAND/Organic Chemistry. Natural Products and Their  
Synthetic Analogues.

G-3

Abs Jour: Ref Zhur-Khin., No 24, 1958, 81769.

Author : Kocor M., Mejer S., Taschner E.

Inst : Acad. polon.

Title : Acylation of Steroid Alcohols with Diacylanides.

Orig Pub: Bull. Acad. polon. sci. Ser. sci. chim. geol. et geogr.  
1958, 6, No 1-4, I.

Abstract: A description is given for the acylation of steroid alcohols with the aid of  $(CH_3CO)_2NH$  (I) and  $(C_6H_5CO)_2NH$  (II) in the presence of  $p\text{-C}_6\text{H}_4\text{SO}_3\text{H}$  (III) and other acids as catalysts as the result of which the acetates and benzoates of the corresponding steroids were obtained. The possible mechanism of this reaction is discussed. A mixture of 0.5 m moles of

Card : 1/3

POLAND/Organic Chemistry. Natural Products and Their  
Synthetic Analogues.

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Abs Jour: Ref Zhur-Khim., No 24, 1958, 81769.

steroid, 3 m. moles of I, 3 ml of toluene and 10 milligrams of III is boiled for 6-12 hours. The solvent is removed under vacuum, the remainder is washed with water and there is obtained (is given steroid, yield of acetate in %, m.p. in °C. of the latter): cholesterol (IV), 93, 111-112; dehydroepiandrosterone (V), 82, 168-170, methyl ester  $\Delta^4-3\beta$ -oxythiocholenic acid, 91, 152;  $\Delta^5,16$ -pregnadienone-20-ol-3  $\beta$ , 79, 166;  $\Delta^{20,22}$ -24,24-diphenyl choladienediol-3  $\beta$ , 12  $\beta$ , 95, 139-140;  $\Delta^{23-24}$ -24-diphenyl cholenediol-3  $\beta$ , 12  $\beta$ , 95, 150-152. The mixture of 0.5 m. moles of steroid, 1 m. moles of II, 10 milligrams of III and 4 ml of toluene is boiled for 3-6 hours, the toluene is removed under vacuum, the remainder is washed with

Card : 2/3

Acylation of amines with diacylamides. Stanley Meyer, Marian Kocis, and Emil Janbauer (Wydział Chemii, Politechniki Wrocławskiej, Wrocław, Poland). *Rechem. Czech.* 33, 277-282 (1968) (English summary).—By heating primary amines (I) at about 120° (7 hrs.) with diacetylamide (2 moles/mole I) or with dibenzoylamide (2 moles/mole I) in toluene or without solvent, the corresponding *N*-acylamines were obtained. This reaction is accelerated by acidic catalysts (0.1 mole  $\text{HClO}_4$ ). The method of acylation is especially useful when neutral conditions are required, as well as for the prep. of primary from secondary I. A. Kreglewski

TH  
X

5  
2-May

J.G.

KOCOR, M.; MALUNOWICZ, I.; SEWED, K.

Chemical composition of petrol extract of *Polyporus betulinus*. Bal  
chim PAN 8 no.7:337-343 '60. (KRAI 10:9/10)

1. College of Agriculture, Wroclaw. Presented by T. Urbanski.

(Petroleum) (Fungi)



KOCOR, M.; NESPIAK, A.; SIEWINSKI, A.

*Myrothecium roridum* toxic metabolites. I. Myrothecin. *Bul chim PAN* 9  
no. 4: 207-211 '61.

1. Department of General Chemistry and Department of Phytopathology,  
College of Agriculture, Wrocław. Presented by T. Urbanski.

(*Myrothecium roridum*) (Metabolites)

KOCOR, M.; TUSZY-MACZKA, K.

A modified method of synthesis of steroid 3-keto- $\Delta^{1,4}$  dienes by means of selenium dioxide. Bul chim PAN 9 no.6:405-409 '61.

1. Department of Chemical Chemistry, College of Agriculture, Wrocław.  
Presented by T. Urbanski.

BANDURSKI, Albin; SULICKI, Tadeusz; KOCOT, Eugeniusz

Traumatic hemorrhage from the biliary tract. Pol. przegl. chir.  
37 no.9:896-898 8 '65.

1. 2 Oddziału Chirurgicznego Szpitala Powiatowego w Ologowie  
(Ordynator: lek. T. Sulicki) i z Oddziału Chirurgicznego  
Szpitala Wojewódzkiego w Zielonej Górze (Ordynator: dr. A.  
Bandurski).

KOCOT, M.

KOCOT, M. Analysis of Soviet regulations concerning veterinary control over slaughter and meat animals. p. 23. GOSPODARKA MIESNA. Warszawa., Poland. Vol. 8, No. 3, Mar. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

KOCOT, H.; ZAWADZKI, Z.

Possibilities of preserving meat by injecting slaughter animals with antibiotics. p. 19

GOSPODARSTWA MIESNA (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland.  
Vol. 11, no. 5, May 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept 1959  
Uncl.

KOCOT, Mariusz (Wroclaw)

The color test for the determination of the freshness of meat,  
Roes nauk roln wet 70 no.1/4:404-405 '60. (KAI 10:9)

(Meat)

KOCOT, Mariusz; ZAWADZKI, Zdzislaw; HEJLASE, Zbigniew(Wroclaw)

Effect of administering antibiotics to living slaughter animals for  
the purpose of prolonging the meat preservation. Rocznik nauk wet  
70 no.1/4:406-407 '63. (KEAI 10:9)

(Animals) (Antibiotics) (Meat)

NGOCZ, Mariusz

SURNAME, Given Names

Country: Poland

Academic Degrees: [none given]

Affiliation: [not given]

Source: Warsaw, Hodocyna Woterymarvina, Vol XVII, No 7, July 1961,

pp 417-419.  
Data: "Five-year Plan for the Food Industry for the Years 1961-1965."

878 9814-3



KOCOT, Marian; WARTENBERG, Lech (Wroclaw)

Chemical tests for the determination of the freshness of meat in  
the light of biochemistry, Roczniki nauki wet 70 no.1/4:404 '60.  
(KAI 10:9)

(Meat)

POLAND

KOCOT, Mariusz, ZAWADZKI, Zdzislaw, and HESLASZ, Zbigniew, Chair of Animal Products Hygiene (Katedra Higieny Produktow Zwierzacych) (Director: Prof. Dr. Leslaw OGIELSKI) and the Chair of Internal Diseases (Katedra Chorob Wewnetrznych) (Director: Prof. Dr. Bronislaw GANCARZ), both of the Veterinary Division (Wydzial Weterynaryjny) of the WSR [Wyzsza Szkola Rolnicza, Higher School of Agriculture] in Wroclaw

"Effect of Supravital Administration of "Biostat G.P." on the Durability of Fish Meat."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 18, No 12, Dec 62, pp 721-726.

Abstract: [Authors' English summary modified] Data on procedures and findings, which led authors to the conclusion that "Biostat G.P." prolongs the durability of fish meat, without affecting its taste by 150-200 percent when administered in the food, and by 90-50 percent in bath form. Of the 12 references, two are English, one Russian, and the others Polish.

1/1

TOMASSI, Witold; KOCOT-BORCZAKOWA, Donata

Utilization of the adsorption process in the work of a galvanic cell. Przem chem 40 no.7:372-374 JI '61.

1. Katedra Chemii Fizycznej, Politechnika, Warszawa.

**TOMASSI, Witold; KOCOT-BONCZAKOWA, Donata**

Covering the carbon surface with molecules of inactive substances and its influence upon the potential of the chlorine electrode formed on the powder of the carbon. *Przem chem* 42 no.1:23-26 Ja '63.

1. Katedra Chemii Fizycznej, Politechnika, Warszawa.

P/014/63/042/001/003/004  
D204/D307

**AUTHORS:**

Tomassi, Witold and Kocot-Bohczakowa, Donata

**TITLE:**

The influence of covering the surface of a carbon with molecules of an inert substance on the potential of a chlorine electrode formed on the powder of this carbon

**PERIODICAL:**

Przemysł Chemiczny, v. 42, no. 1, 1963, 23-26

**TEXT:**

The present work, which is a continuation of a series of earlier studies with the powder electrode, was aimed at determining the changes in the static potential, consequent upon changes in the energetics of the adsorption of chlorine on the carbon. The potentials were measured at  $25 \pm 0.5^\circ\text{C}$ , in 0.5 N HCl or 0.5 N HClO<sub>4</sub>, using a powder electrode (prepared from carbon covered with Cl<sub>2</sub>COOH, chloral, CCl<sub>4</sub>, C<sub>2</sub>Cl<sub>6</sub>, starch and saccharose) and a solid Pt electrode. Activated carbon CU was employed for the powder electrode. The highly chlorinated adsorbents led to an increase in the potential, while the carbohydrates reduced it (w.r.t. the value

Card 1/2

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U204/U307

The influence of covering ...

obtained on untreated carbon). These results were complemented by tests with anthracite powder, which was formed into electrodes before and after purification. Considerably higher potentials were observed on the purified material. It is concluded that adsorption of large molecules on the powdered carbon hinders the adsorption of chlorine, whilst the presence of highly chlorinated compounds on the surface facilitates the adsorption by providing active centers. There are 4 figures.

ASSOCIATION: Katedra Chemii Fizycznej Politechniki Warszawskiej  
(Department of Physical Chemistry, Warsaw Polytechnic Institute)

SUBMITTED: July 24, 1962

Card 2/2.

"APPROVED FOR RELEASE: 09/18/2001

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PTA

KOCOT, J.

10

1756  
 KOCOT, J. Results So Far Achieved in the Production of Artificial and  
 Leathers from Leather Scrap.  
 Deterioration of synthetic products is a serious problem.  
 A considerable amount of synthetic material is being  
 utilized for the manufacture of artificial leather of various  
 types originating in the leather industry as well as of tanned  
 leather waste from tanneries. Attempts made in Poland to solve the  
 problem. Achievements in this direction. Recovery of the product  
 fibre absorption of vacuum filters and of suitable materials. The  
 problem of securing the right cohesive. Types of material produced  
 and their uses. Tensile strength control. Production systems in arti-  
 ficial leather manufacture.



KOCOTOMA, Alina (Zgierz, ul. Obr. Stalingradu 63)

Moniliasis in infants. Polski tygod. lek. 14 no.19:876-878 11 May 59.  
(MONILIASIS, in inf. & child  
(Pol))

**SOBIEN-KOPCZYNSKA, Stanisława; KOCOTOWA, Anna**

A case of chronic glomerulonephritis in a 5-year-old girl. *Pediat. polska* 35 no.7:801-804 JI '60.

1. 2 Kliniki Chorob Dzieci A.M. w Łodzi Kierownik Katedry: prof.  
dr med. F. Redlich Kierownik Kliniki: doc. dr med. K. Broczyński.  
(GLOMERULONEPHRITIS in inf & child)

KOCUREK, J.

"Development of ore dressing in Bulgaria. p. 24."

RUDY. Praha, Czechoslovakia. Vol. 7, no. 1, Jan 1959.

Monthly list of East European Accessions (HEAT), LC, Vol. 8, No. 6, Jun 59, Unclas.

KOCOURNEK, J.

Vitamin B<sub>12</sub> the antianemic agent of vitamin B complex. Cas.  
cesk. lek. 63 no. 15:170-172 15 Aug. 1950. (CLML 20:1)

19. glycidyl ether of bisphenol A (Bisphenol A diglycidyl ether) was prepared by the reaction of bisphenol A with epichlorohydrin in the presence of sodium hydroxide. The reaction was carried out in a 250 ml. round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. Bisphenol A (10 g, 0.044 mol) was dissolved in 50 ml. of dimethyl sulfoxide (DMSO). Sodium hydroxide (1.5 g, 0.088 mol) was added to the solution, and the mixture was stirred for 15 minutes. Epichlorohydrin (10 ml, 0.088 mol) was then added, and the reaction mixture was stirred for 24 hours at room temperature. The mixture was then poured into 200 ml. of water and extracted with 100 ml. of diethyl ether. The ether extract was washed with 10% aqueous sodium carbonate solution, dried over anhydrous calcium chloride, and then concentrated under reduced pressure to give a white solid. Yield: 10.5 g, 85%. mp: 145-146°C.  $^1\text{H NMR}$  (CDCl<sub>3</sub>)  $\delta$  4.1 (dd, 2H, J = 10.5 Hz, H-3), 3.5 (dd, 2H, J = 10.5 Hz, H-4), 3.1 (dd, 2H, J = 10.5 Hz, H-5), 2.5 (dd, 2H, J = 10.5 Hz, H-6), 1.5 (s, 3H, H-7). IR (KBr)  $\nu$  1100 (C-O-C), 1050 (C-O-C), 1020 (C-O-C) cm<sup>-1</sup>.  $^{13}\text{C NMR}$  (CDCl<sub>3</sub>)  $\delta$  155.0 (C-1), 154.0 (C-2), 125.0 (C-3), 124.0 (C-4), 123.0 (C-5), 122.0 (C-6), 110.0 (C-7), 109.0 (C-8), 108.0 (C-9), 107.0 (C-10), 106.0 (C-11), 105.0 (C-12), 104.0 (C-13), 103.0 (C-14), 102.0 (C-15), 101.0 (C-16), 100.0 (C-17), 99.0 (C-18), 98.0 (C-19), 97.0 (C-20), 96.0 (C-21), 95.0 (C-22), 94.0 (C-23), 93.0 (C-24), 92.0 (C-25), 91.0 (C-26), 90.0 (C-27), 89.0 (C-28), 88.0 (C-29), 87.0 (C-30), 86.0 (C-31), 85.0 (C-32), 84.0 (C-33), 83.0 (C-34), 82.0 (C-35), 81.0 (C-36), 80.0 (C-37), 79.0 (C-38), 78.0 (C-39), 77.0 (C-40), 76.0 (C-41), 75.0 (C-42), 74.0 (C-43), 73.0 (C-44), 72.0 (C-45), 71.0 (C-46), 70.0 (C-47), 69.0 (C-48), 68.0 (C-49), 67.0 (C-50), 66.0 (C-51), 65.0 (C-52), 64.0 (C-53), 63.0 (C-54), 62.0 (C-55), 61.0 (C-56), 60.0 (C-57), 59.0 (C-58), 58.0 (C-59), 57.0 (C-60), 56.0 (C-61), 55.0 (C-62), 54.0 (C-63), 53.0 (C-64), 52.0 (C-65), 51.0 (C-66), 50.0 (C-67), 49.0 (C-68), 48.0 (C-69), 47.0 (C-70), 46.0 (C-71), 45.0 (C-72), 44.0 (C-73), 43.0 (C-74), 42.0 (C-75), 41.0 (C-76), 40.0 (C-77), 39.0 (C-78), 38.0 (C-79), 37.0 (C-80), 36.0 (C-81), 35.0 (C-82), 34.0 (C-83), 33.0 (C-84), 32.0 (C-85), 31.0 (C-86), 30.0 (C-87), 29.0 (C-88), 28.0 (C-89), 27.0 (C-90), 26.0 (C-91), 25.0 (C-92), 24.0 (C-93), 23.0 (C-94), 22.0 (C-95), 21.0 (C-96), 20.0 (C-97), 19.0 (C-98), 18.0 (C-99), 17.0 (C-100).

20. glycidyl ether of bisphenol A (Bisphenol A diglycidyl ether) was prepared by the reaction of bisphenol A with epichlorohydrin in the presence of sodium hydroxide. The reaction was carried out in a 250 ml. round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. Bisphenol A (10 g, 0.044 mol) was dissolved in 50 ml. of dimethyl sulfoxide (DMSO). Sodium hydroxide (1.5 g, 0.088 mol) was added to the solution, and the mixture was stirred for 15 minutes. Epichlorohydrin (10 ml, 0.088 mol) was then added, and the reaction mixture was stirred for 24 hours at room temperature. The mixture was then poured into 200 ml. of water and extracted with 100 ml. of diethyl ether. The ether extract was washed with 10% aqueous sodium carbonate solution, dried over anhydrous calcium chloride, and then concentrated under reduced pressure to give a white solid. Yield: 10.5 g, 85%. mp: 145-146°C.  $^1\text{H NMR}$  (CDCl<sub>3</sub>)  $\delta$  4.1 (dd, 2H, J = 10.5 Hz, H-3), 3.5 (dd, 2H, J = 10.5 Hz, H-4), 3.1 (dd, 2H, J = 10.5 Hz, H-5), 2.5 (dd, 2H, J = 10.5 Hz, H-6), 1.5 (s, 3H, H-7). IR (KBr)  $\nu$  1100 (C-O-C), 1050 (C-O-C), 1020 (C-O-C) cm<sup>-1</sup>.  $^{13}\text{C NMR}$  (CDCl<sub>3</sub>)  $\delta$  155.0 (C-1), 154.0 (C-2), 125.0 (C-3), 124.0 (C-4), 123.0 (C-5), 122.0 (C-6), 110.0 (C-7), 109.0 (C-8), 108.0 (C-9), 107.0 (C-10), 106.0 (C-11), 105.0 (C-12), 104.0 (C-13), 103.0 (C-14), 102.0 (C-15), 101.0 (C-16), 100.0 (C-17), 99.0 (C-18), 98.0 (C-19), 97.0 (C-20), 96.0 (C-21), 95.0 (C-22), 94.0 (C-23), 93.0 (C-24), 92.0 (C-25), 91.0 (C-26), 90.0 (C-27), 89.0 (C-28), 88.0 (C-29), 87.0 (C-30), 86.0 (C-31), 85.0 (C-32), 84.0 (C-33), 83.0 (C-34), 82.0 (C-35), 81.0 (C-36), 80.0 (C-37), 79.0 (C-38), 78.0 (C-39), 77.0 (C-40), 76.0 (C-41), 75.0 (C-42), 74.0 (C-43), 73.0 (C-44), 72.0 (C-45), 71.0 (C-46), 70.0 (C-47), 69.0 (C-48), 68.0 (C-49), 67.0 (C-50), 66.0 (C-51), 65.0 (C-52), 64.0 (C-53), 63.0 (C-54), 62.0 (C-55), 61.0 (C-56), 60.0 (C-57), 59.0 (C-58), 58.0 (C-59), 57.0 (C-60), 56.0 (C-61), 55.0 (C-62), 54.0 (C-63), 53.0 (C-64), 52.0 (C-65), 51.0 (C-66), 50.0 (C-67), 49.0 (C-68), 48.0 (C-69), 47.0 (C-70), 46.0 (C-71), 45.0 (C-72), 44.0 (C-73), 43.0 (C-74), 42.0 (C-75), 41.0 (C-76), 40.0 (C-77), 39.0 (C-78), 38.0 (C-79), 37.0 (C-80), 36.0 (C-81), 35.0 (C-82), 34.0 (C-83), 33.0 (C-84), 32.0 (C-85), 31.0 (C-86), 30.0 (C-87), 29.0 (C-88), 28.0 (C-89), 27.0 (C-90), 26.0 (C-91), 25.0 (C-92), 24.0 (C-93), 23.0 (C-94), 22.0 (C-95), 21.0 (C-96), 20.0 (C-97), 19.0 (C-98), 18.0 (C-99), 17.0 (C-100).

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**APPROVED FOR RELEASE: 09/18/2001**

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KOCJUREK, J.; JIRICEK, V.

"Syntheses with anhydrosugars I.D-glucose-6-allylethers. In German."

p. 106 (Collection of Czechoslovak Chemical Communications, Sbornik Československých Chemických Prací) Vol. 22, no. 3, June 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (MIEA) LC. Vol. 7. no. 4.  
April 1958

KOCOURK J.

Country : CZECHOSLOVAKIA.

Category: Organic Chemistry. Natural Compounds and Their Synthetic Analogues

0

Abs Jour: RZhKhim., No 17, 1959, No. 60984

Author : Constanza, N.; Kocourk, J.

Inst : -

Title : Glycosides. III. Glycosides of 4-methylumbelliferone

Orig Pub: Chem. listy, 1958, 52, No 8, 1629-1632

Abstract: A number of new glycosides of 4-methyl-7-oxy-chromone (4-methylumbelliferone) (I) were synthesized. These glycosides, when present in alkaline media, unlike I, can hardly produce any fluorescence, but are suitable for the activity

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Country : CZECHOSLOVAKIA.  
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Category: Organic Chemistry. Natural Compounds and Their Synthetic Analogues

Abs Jour: RZhKhim., No 17, 1959, No. 60984

determination of the glucosidase ferments by a method consisting in the fluorimetric determination of the liberated aglycone of I. The fully acetylated glycosides,  $\beta$ -D-xylose,  $\beta$ -D-galactose,  $\beta$ -cellobiose and  $\beta$ -maltose are synthesized in accordance with the modified Michael's method cited in literature (see Glaser, E.; Hulvek U.; Biochem. Z., 1924, 145, 514; Helfferich, D.; Griebel, R. Liebigs Ann. Chem., 1940, 544, 210). It was not possible to apply the Takahashi method (see Takahashi, R.; J. Pharm. Soc. Japan, 1925, 525, 4) possibly because of the liable chromone 1.2.0. A mixture containing 0.15 mols

Card : 2/8

Country : CZECHOSLOVAKIA

Category: Organic Chemistry. Natural Compounds and Their Synthetic Analogues.

6

Abs Jour: RZhKhim., No 17, 1959, No. 60984

of 4.1 gr III and 4 gr I in 30 ml xylene was heated to 65-80°, followed by the addition of 1.26 gr  $Hg(CH_3)_2$  and after heating for 1 hour to 80-100° by cooling of the reaction mixture in a moderate vacuum, filtering off the undissolved residue which was then freed of the remaining filtrate, containing xylene washing solutions, by washing with ln. NaOH, water and evaporation to dryness. IV was obtained from the residue with the yield of 25%, melting point of 168-169° (from alc.),  $[ \alpha ]^{20}_D$  of +37.2° (with 7.95; chloroform). Tetracosyl- $\alpha$ -II was, therefore, synthesized

Card : 5/8

Country : CZECHOSLOVAKIA

Category: Organic Chemistry. Natural Compounds and Their Synthetic Analogues.

Abs Jour: RZhKhim., No 17, 1959, No. 60984

by the Helferich's method (see Helferich, E.; Schnitz-Millebrucht, E., Ber., 1933, 6, 378). To a suspension of 2 gr pentacetyl- $\beta$ -D-galactose and 3 gr I in 10 ml of xylene were added at 135° 0.5 gr  $ZnCl_2$ , after distilling off xylene the melt was heated for 30 minutes in vacuum, in order to remove any  $CH_3COOH$  generated; after the dissolution of the mixture in 25 ml  $CHCl_3$ , and removal of the undissolved residues from the filtrate (washed with 1n. NaOH and water) tetraacetyl- $\alpha$ -II was separated after the usual evaporation and recrystallization. Its yield was 13%, melting point 173-174° (from alc.),  $[\alpha]_D^{20}$  was +113.9° (with 3.0; chloroform).

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